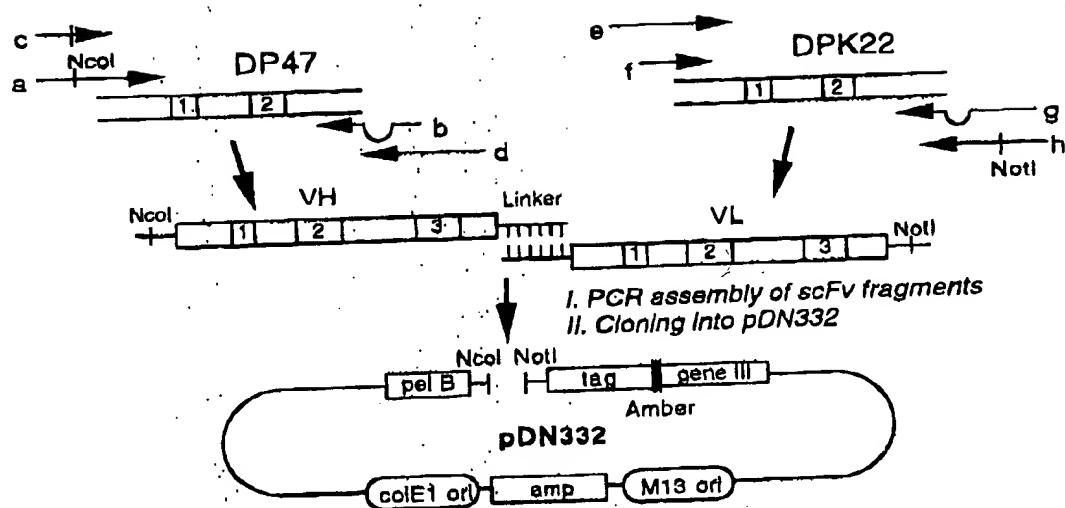


A)



B)



VH primers:

a DP47baNco
b CDR3for
c VHpullth
d Jassm

VL primers:

e DPK22assm
f DPK3for
g Jfornot
h pullth

GCG GCC CAG CAT GCC ATG GCC GAG GTG CAG CTG TTG GAG TCT GGG
GGT TCC CTG GCC CCA GTA GTC AAA MNN MNN MNN MNN TTT CGC ACA GTA
ATA TAC G
GCG GCC CAG CAT GCC ATG GCC GAG
CCC GCT ACC GCC ACT GGA CCC ATC GCC ACT CGA GAC GGT GAC CAG GGT
TCC CTG GOC CCA GTA GTC
GAT GGG TCC AGT GGC GGT AGC GGG GGC GCG TCG ACT GGC GAA ATT GTG
TTG ACG CAG TCT CC
CAC CTT GGT CCG TTG GCC GAA CGT MNN CGG MNN MNN ACC MNN CTG CTG
ACA GTA ATA CAC TGC
GAG TCA TTC TCG ACT TGC GGC CGC TTT GAT TTC CAC CTT GGT CCC TTG GCC
GAA CG
GAT GGG TCC AGT GGC GGT AGC GGG

Figure 1

IPG (non-linear gradient (pH))

3.5

200 10

MW
(kDa)

10

Figure 2A

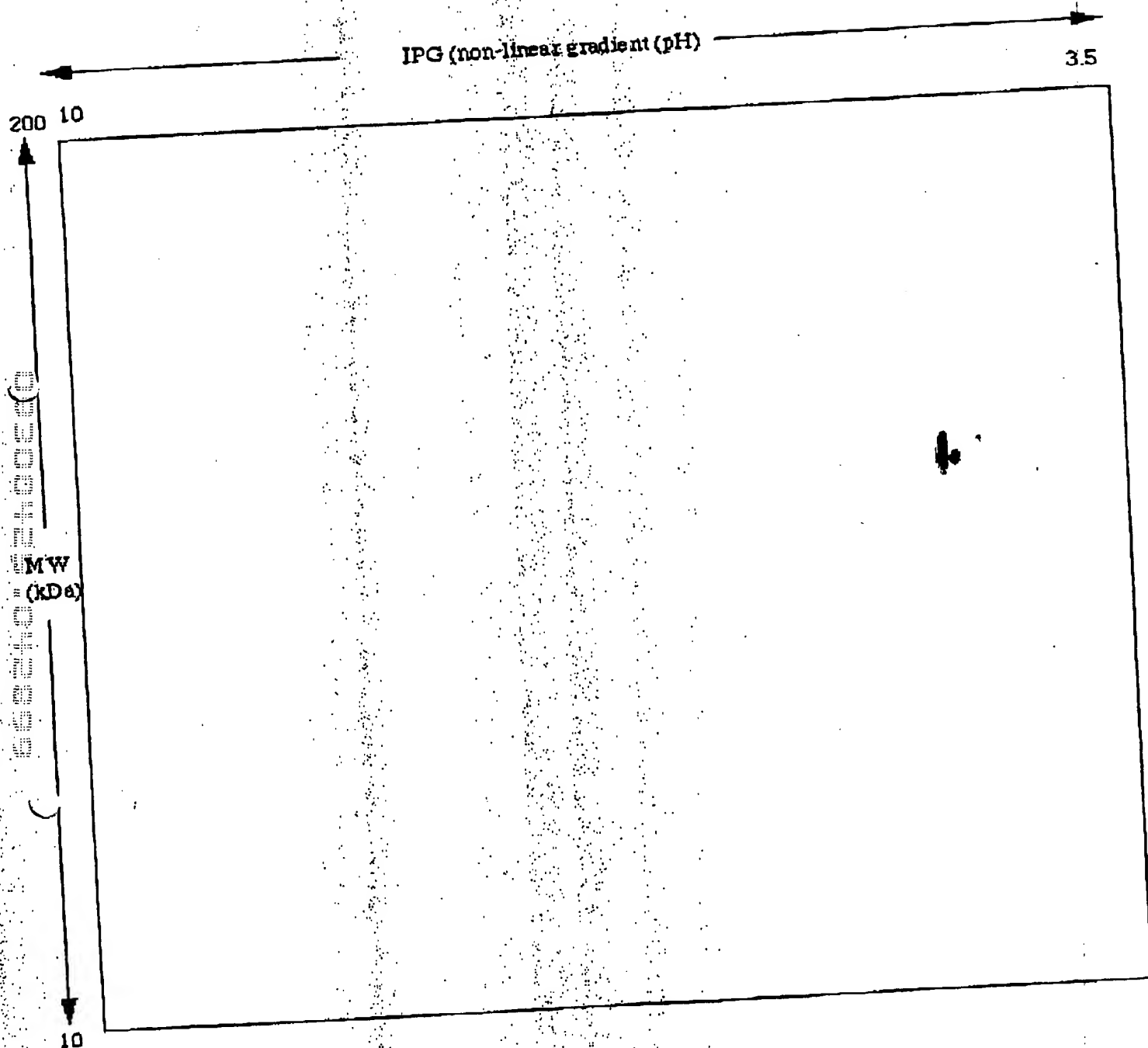


Figure 2B

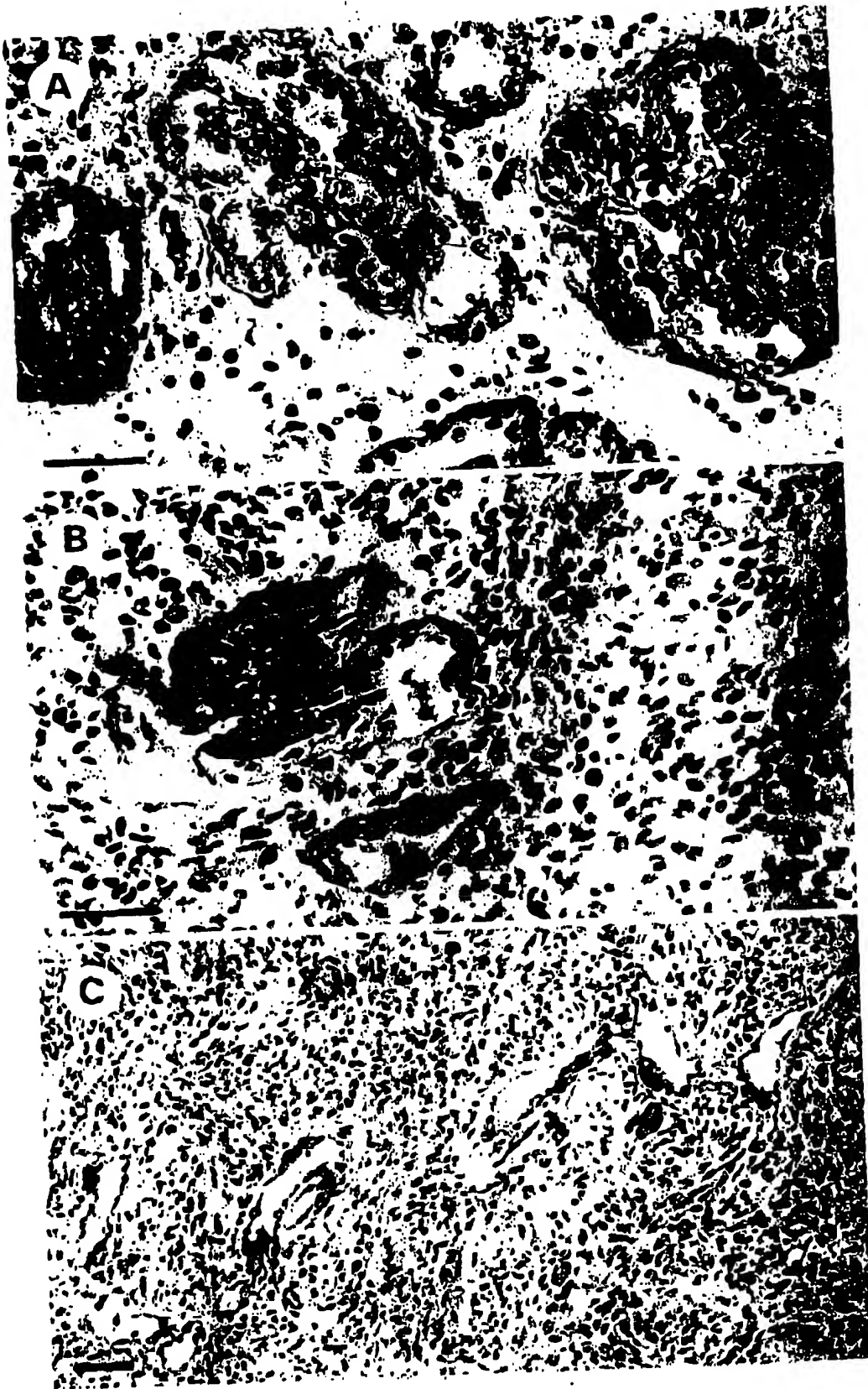


Figure 3

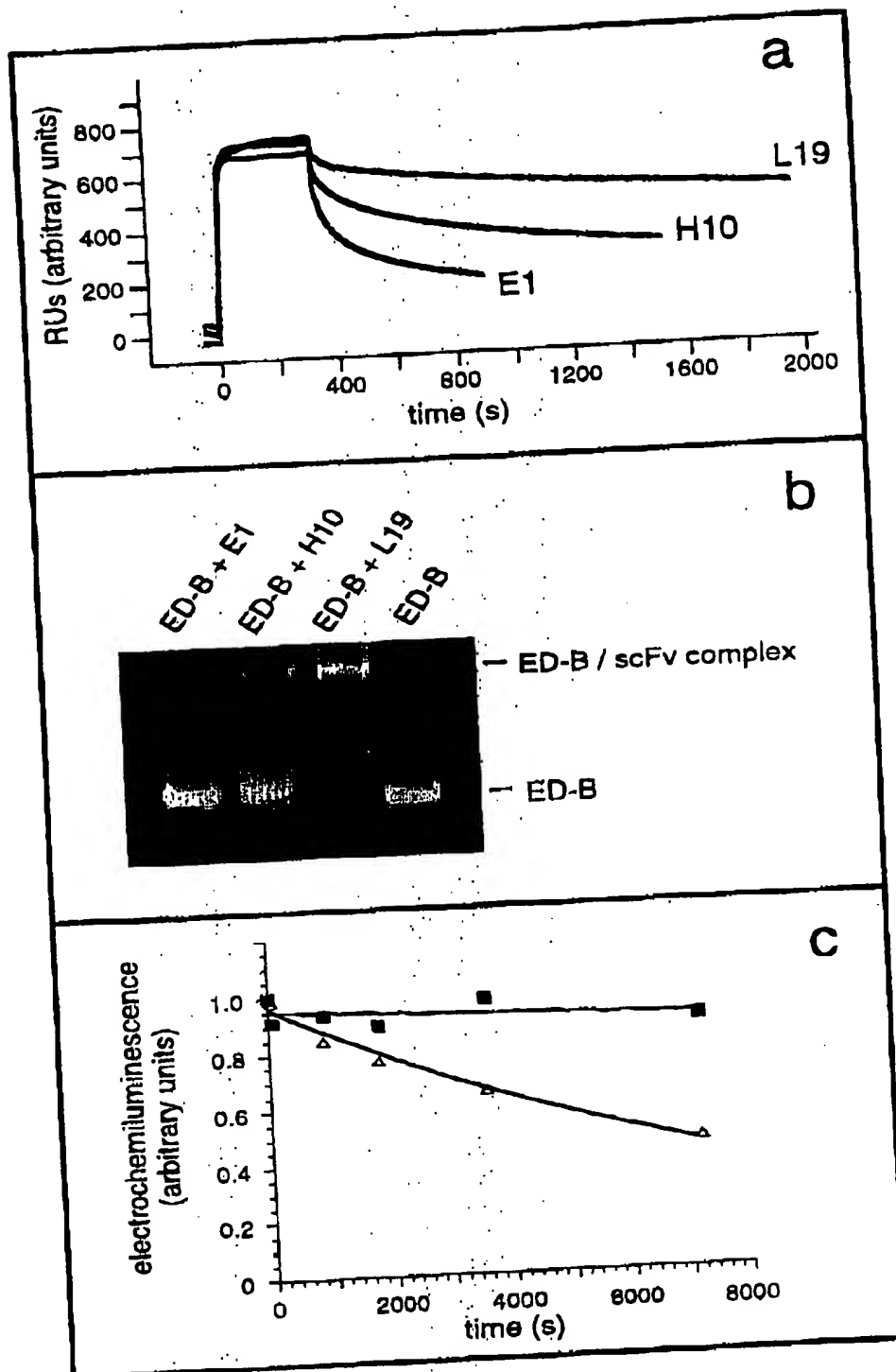
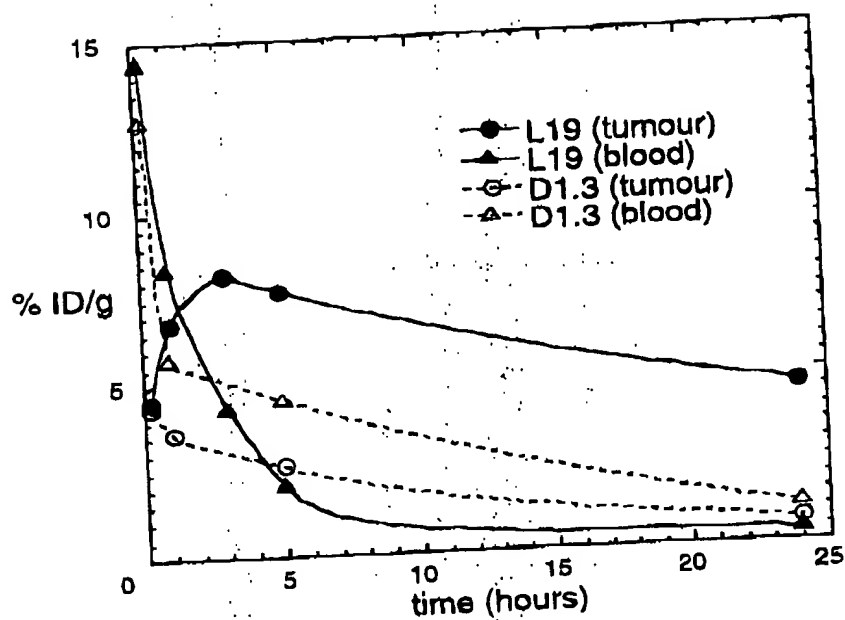


Figure 4



%ID/g time (h)	scFv (L19)							scFv (D1.3)	
	Kidney	Spleen	Lung	Liver	Brain	Blood	Tumor	Blood	Tumor
0.25	26.4 ± 4.7	5.4 ± 0.4	15.1 ± 5.1	5.7 ± 0.5	0.4 ± 0.04	14.4 ± 2.5	4.6 ± 1.0	12.7 ± 0.1	4.4 ± 0.4
1	18.2 ± 3.9	3.8 ± 0.3	9.8 ± 0.9	2.8 ± 0.3	0.3 ± 0.1	8.3 ± 0.9	6.9 ± 2.4	—	3.6 ± 1.0
3	8.1 ± 1.6	2.0 ± 0.3	5.0 ± 1.4	1.7 ± 0.02	0.2 ± 0.01	4.8 ± 0.3	8.2 ± 4.2	4.6 ± 1.2	2.6 ± 1.5
5	4.2 ± 1.1	1.8 ± 0.2	3.5 ± 0.2	1.3 ± 0.3	0.1 ± 0.02	2.0 ± 1.8	7.7 ± 2.5	1.1 ± 0.5	0.7 ± 0.4
24	0.7 ± 0.1	0.4 ± 0.1	1.0 ± 0.1	0.2 ± 0.04	0.02 ± 0.01	0.4 ± 0.1	4.7 ± 0.6	—	—

Figure 5

VH

EVQLLES GGG
SFSMSWVRQA
ADSVKGRFTI
TAVYYCAKPF

LVQPGGSLRL
PGKGLEWVSS
SRDNSKNTLY
PYFDYWGQGT

SCAASGFTFS
ISGSSGTTY
LQMNSLRAED
LVTVSS

linker

GDGSSGGSGGASTG

VL

EIVLTQSPGT
SSYLAWYQQK
DRFSGSGSGT
QTGRIPPTFG

LSLSPGERAT
PGQAPRLLIY
DFTLTISRLE
QGTKVEIK

LSCRASQSVS
YASSRATGIP
PEDFAVYYCQ

Figure 6: Amino acid sequence of antibody L19



day 9 / rabbit 1 / left / nC



day 9 / rabbit 1 / right / VEGF high



day 9 / rabbit 2 / left / PMA



day 9 / rabbit 2 / left / VEGF low



day 9 / rabbit 3 / left / VEGF high



day 9 / rabbit 3 / right / PMA



day 9 / rabbit 4 / left / PMA



day 9 / rabbit 4 / right / nC



Figure 8

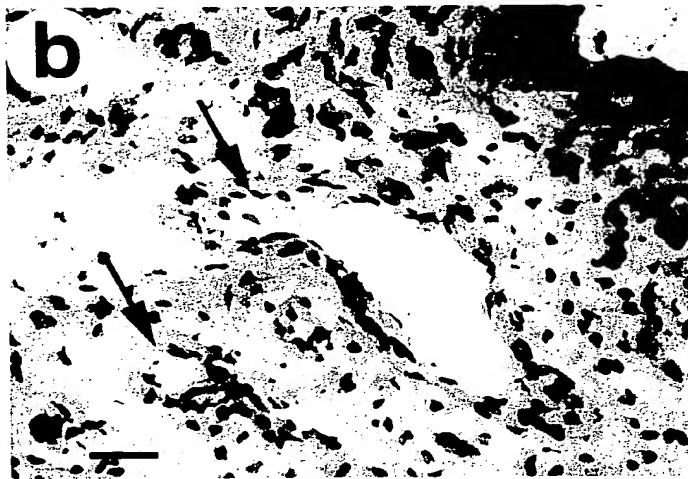
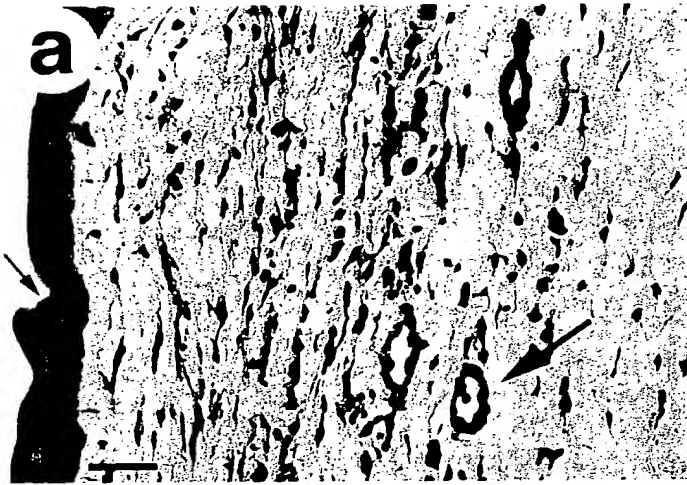


FIG. 9

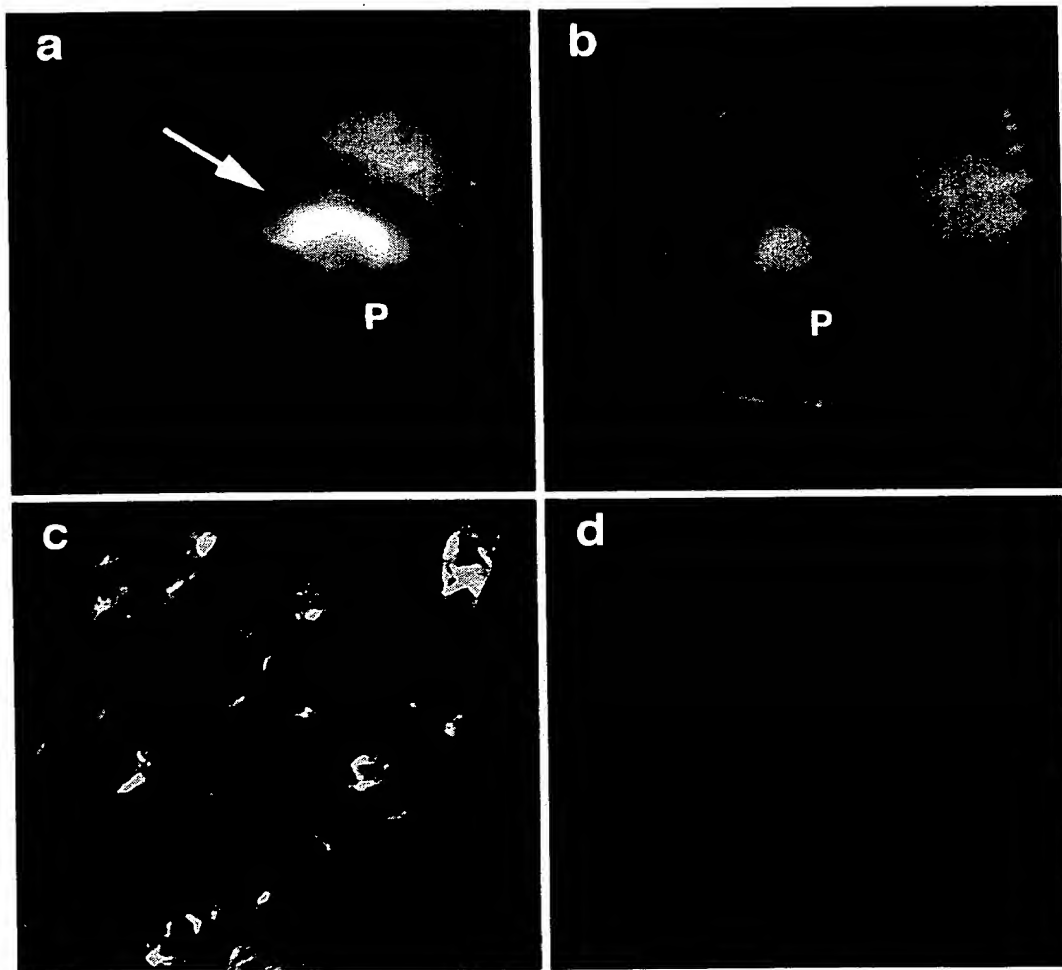


FIG. 10

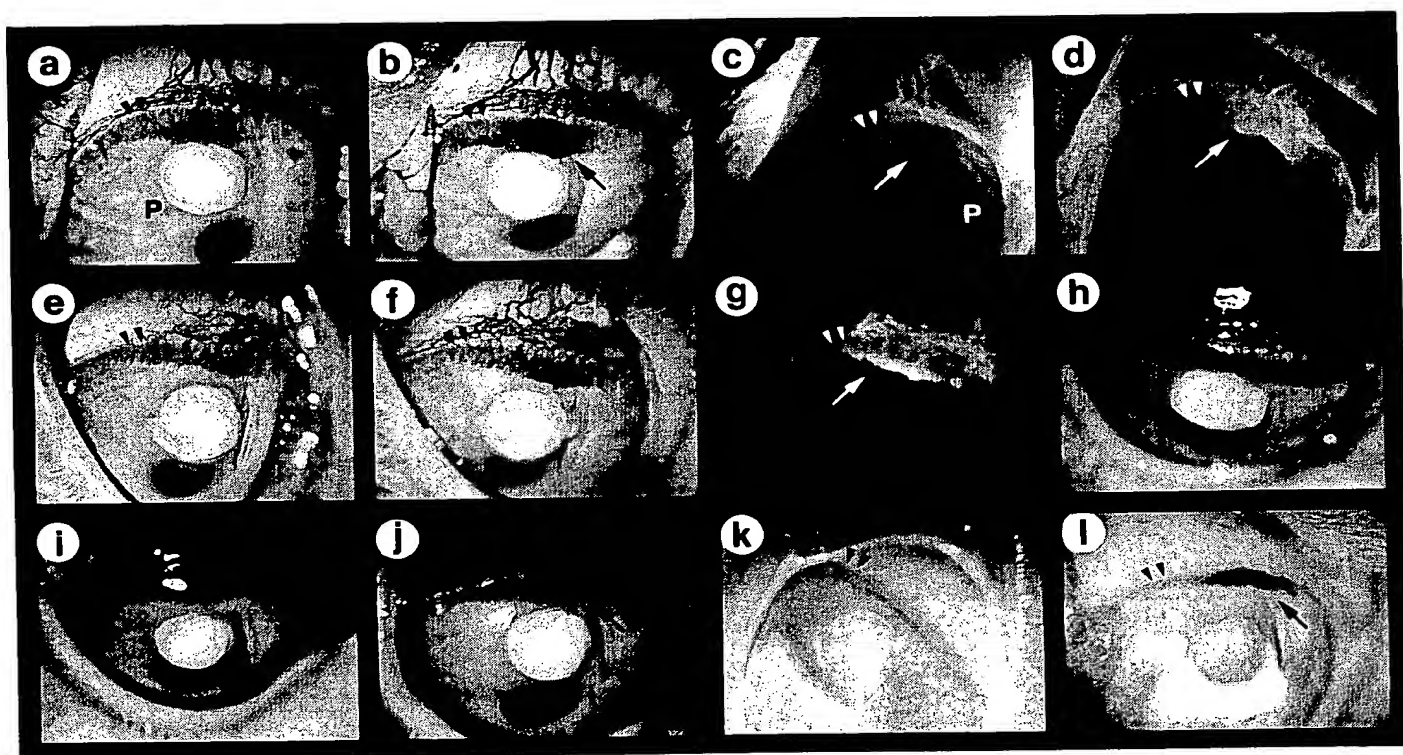


FIG. 11

